|  | Index of Claims                       |          |             |               |          |              |          |                    |   |       |          |           | Application No. |                           |                   |        |             |           |                |         |             |            |          | Applicant(s) |          |              |          |              |                        |                 |           |
|--|---------------------------------------|----------|-------------|---------------|----------|--------------|----------|--------------------|---|-------|----------|-----------|-----------------|---------------------------|-------------------|--------|-------------|-----------|----------------|---------|-------------|------------|----------|--------------|----------|--------------|----------|--------------|------------------------|-----------------|-----------|
|  |                                       |          |             |               |          |              |          |                    |   |       |          |           |                 | Application No. 10 603358 |                   |        |             |           |                |         |             |            |          |              |          |              |          |              |                        |                 |           |
|  | }                                     |          |             |               |          |              |          |                    |   |       |          |           |                 | Examiner                  |                   |        |             |           |                |         |             |            |          |              | Art Unit |              |          |              |                        |                 |           |
|  | 1                                     |          |             |               |          |              |          |                    |   |       |          |           |                 |                           | ~                 |        | •           |           |                |         |             |            |          |              |          |              |          | ļ            |                        |                 |           |
| ·  |                                       |          |             |               |          |              |          |                    |   |       |          |           | ┸               |                           |                   |        |             |           |                | $\perp$ |             |            |          |              |          |              | <u></u>  |              |                        |                 |           |
|  |                                       |          |             |               |          |              |          |                    |   |       |          |           |                 |                           |                   | _      | <del></del> |           |                |         | <del></del> |            |          |              |          |              |          |              |                        |                 |           |
| ,  | √ Rejected — (Through numer Cancelled |          |             |               |          |              |          |                    |   |       |          |           | era             | al) Non-Elect             |                   |        |             |           |                | cte     | ed          |            | Α        |              | Α        | ppe          | eal      |              | İ                      |                 |           |
|  |                                       |          |             |               |          |              |          |                    |   | Ca    | incel    | led       |                 |                           | 4                 | 1      | 4           |           |                |         | $\dashv$    |            |          |              |          |              |          |              | -                      |                 |           |
| :  | =                                     | Allo     | we          | d             |          |              | ÷        |                    |   | Re    | stric    | ted       |                 |                           |                   | 1      |             | Int       | erfer          | ene     | се          |            | 0        | Objected     |          |              |          |              |                        |                 |           |
|  |                                       |          |             |               |          |              |          |                    |   |       |          |           |                 |                           | ال                | L      | L           |           |                |         |             | İ          | لب       |              |          |              |          | لـ           |                        |                 |           |
| Claim                                      |                                       |          | _           | Date          |          |              |          | $\neg$             | ٢ | Claim |          |           |                 |                           | Da                | ite    |             |           |                |         |             | Claim      |          |              | Date     |              |          |              |                        |                 |           |
|  |                                       | $\top$   | Τ           | Γ             | П        |              |          |                    | T | Ī     |          | $\exists$ | T               |                           |                   | Τ      | T           | T         | $\sqcap$       | Γ       |             | al         |          |              |          |              |          |              |                        |                 | 7         |
| Final                                      |                                       |          |             |               |          | !            |          |                    |   | Final | Original | 1         |                 |                           |                   |        |             |           | 11             |         | Final       | Original   |          | 1            |          |              |          | ł            | 1                      |                 |           |
| ا ق  |                                       | 1        |             |               |          |              |          |                    | - | u.    | ŏ        | -         |                 |                           | Ì                 | 1      |             |           |                | İ       |             | Ö          |          |              |          |              |          |              |                        |                 |           |
| 1  |                                       |          |             |               |          |              |          |                    | F |       | 51       |           | $\Box$          |                           | $\perp$           | 1      |             |           |                | F       | _           | 101        | $\sqcup$ | $\perp$      | $\dashv$ | $\dashv$     | +        | +            | ÷                      | -               | 4         |
| <u>                                   </u> | $\dashv$                              |          | ╀           | -             | H        | _            |          | $\dashv$           | - |       | 52<br>53 | -         | +               | +                         | +                 | ╁      | ╬           | -         | +-             | }       |             | 102<br>103 | $\vdash$ | $\dashv$     | $\dashv$ | $\dagger$    | +        | $\dashv$     | $\dashv$               |                 | 1         |
|  |                                       | $\pm$    | 上           |               |          |              |          | $\exists$          | t |       | 54       |           | 士               |                           |                   |        |             |           |                |         |             | 104        |          | $\dashv$     | $\dashv$ | $\downarrow$ | 1        | $\downarrow$ |                        | 工               | ]         |
| 5  |                                       | $\perp$  | $\sqsubset$ | Γ,            |          |              |          |                    | F |       | 55       | $\dashv$  | $\bot$          | $\bot$                    | 1                 | F      | +           | +         | +              | -       |             | 105<br>106 | $\vdash$ | $\dashv$     | -        | -            | +        | $\dashv$     | +                      | +               | -         |
| 6 7  | -                                     | -        | ╁           | <del> -</del> | -        | $\vdash$     |          | $\dashv$           | - |       | 56<br>57 | $\dashv$  | $\dashv$        | +                         | +                 | +-     | +           | +         | +-             | -       |             | 107        |          | $\perp$      | _        | $\pm$        | 士        | 士            | 1                      | 士               | _         |
| В  |                                       |          |             |               |          |              |          | $\Box$             |   |       | 58       |           | コ               |                           |                   | 1      |             | 1         | $\Box$         | Ī       | ]           | 108        |          | $\Box$       | 4        | 1            | _        | 7            | 1                      | $\perp$         | _         |
| 0  | _                                     | 4        | ┼           | L             |          | _            | Н        |                    | - |       | 59<br>60 | $\dashv$  | $\dashv$        | +                         | - -               | - -    | +           | +         | +-1            | ŀ       | -           | 109<br>110 | $\vdash$ | +            | +        | +            | +        | $\dashv$     | +                      | +               | -         |
| (10)                                       | -                                     | +        | +           | ╁             | H        | -            | Н        | $\dashv$           | ŀ |       | 61       | $\dashv$  | +               | +                         | -                 | +      | +           | $\pm$     | $\Box$         | t       |             | 111        |          |              |          |              |          |              | $\dashv$               | 土               |           |
| 12   |                                       |          | $\perp$     |               |          |              |          | $\Box$             | - |       | 62       | $\Box$    | $\dashv$        | $\perp$                   |                   | Ţ      | 7           | _         |                | -       |             | 112<br>113 |          | $\dashv$     | -        | $\dashv$     | 4        | $\dashv$     | $\dashv$               | $\dotplus$      | $\dashv$  |
| 13   | 4                                     | _        | -           |               | $\vdash$ | -            | Н        | $\dashv$           | } |       | 63<br>64 |           | $\dashv$        | +                         | $\dashv$          | ╁      | ╁           | +-        | ++             | ł       |             | 114        | H        | $\dashv$     | -        | $\dashv$     | +        | $\dashv$     | +                      | 十               | -         |
| 15   |                                       |          |             |               |          |              |          |                    | ŀ |       | 65       |           | コ               |                           |                   |        | 1           | 1         |                |         |             | 115        |          | $\exists$    |          | $\Box$       | $\Box$   | $\Box$       | 4                      | $\Box$          | 7         |
| 16   |                                       |          | 1_          |               | L        |              |          | $\dashv$           | - |       | 66<br>67 |           |                 | 4                         | - -               | +      | +           | +         | +              | ŀ       |             | 116<br>117 | H        | $\dashv$     | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$     | 1                      | +               | -         |
| 17   | -                                     |          | +-          | $\vdash$      | -        | -            |          |                    | ŀ |       | 68       | $\vdash$  | -               | $\dashv$                  | +                 | +      | ╁           | $\top$    | 廿              | Ì       |             | 118        |          |              |          |              |          |              | $\exists$              | 士               | コ         |
| 19   |                                       |          | 1           | 1             | _        |              |          |                    | ļ |       | 69       |           | 7               | 7                         |                   |        | 7           | 7         |                | Į       |             | 119<br>120 | ! !      | 4            |          | $\dashv$     | 4        | <del>-</del> | $\stackrel{:}{\dashv}$ | <del>- i-</del> | -i        |
| 20_  |                                       |          | +           | -             | -        | $\vdash$     | -        | -                  | + |       | 70<br>71 | $\dashv$  | $\dashv$        | $\dashv$                  | +                 | +      | +           | +         | +              | -       |             | 121        | $\vdash$ | +            | $\dashv$ | $\dashv$     | $\dashv$ | 7            | 1                      | $\top$          | Ⅎ         |
| 22   |                                       |          | 士           |               |          |              |          |                    | Ė |       | 72       |           |                 | 丰                         |                   | 1      |             | 1         | 口              |         |             | 122        |          |              |          | $\Box$       | _        |              | 4                      | 4               | 7         |
| 23   |                                       |          | 1           | <u> </u>      | -        |              | $\vdash$ | $\dashv$           | - |       | 73<br>74 | -         |                 | $\dashv$                  |                   | +      | +           | -         | +              | }       |             | 123<br>124 | -        | $\dashv$     | $\dashv$ | +            | $\dashv$ | $\dashv$     | $\dashv$               | +               | ╣         |
| 24<br>25                                   | -                                     | $\vdash$ | ╁╴          | $\vdash$      | ┼        |              |          | $\vdash$           | ŀ |       | 75       | H         | $\dashv$        | +                         |                   | 1      | $\pm$       | 1         |                | ţ       |             | 125        |          |              |          | $\Box$       | $\Box$   |              | 耳                      | 工               | _         |
| 26   |                                       |          | 1           |               |          |              | L        | $\Box$             |   |       | 76       | П         | $\Box$          | _                         |                   | 1      | 1           | 4         | $\dashv$       | - }     |             | 126        | ╁╌       |              | _        | $\dashv$     | -        | $\dashv$     | -                      | +               | 4         |
| 27 28                                      |                                       | - -      | ╀           | ╀             | -        | -            | ├        | Н                  | } |       | 77<br>78 | $\vdash$  | $\dashv$        | +                         |                   | ┽      | +           | +         | +              | 1       |             | 127<br>128 | +-       | Н            |          |              |          |              | $\exists$              | 士               | <b>d</b>  |
| 29   | _                                     | $\Box$   | $\dagger$   |               | 1        |              |          |                    | t |       | 79       |           |                 |                           |                   |        | 1           | #         |                |         |             | 129        |          |              |          |              | $\Box$   | $\Box$       |                        | $\dashv$        | 7         |
| 30   |                                       | Ц.       | 1           | <u> </u>      | -        | <u> </u>     | -        | Н                  |   |       | 80<br>81 | Н         | $\dashv$        | $\dashv$                  | -                 | +      | +           | +         | $\dashv\dashv$ |         |             | 130<br>131 |          | Н            | _        | Н            | $\dashv$ |              | $\dashv$               | $\dashv$        | -         |
| 31<br>32                                   |                                       |          | ╁           | ╁╴            | -        | ┢            | ╁        | H                  | ŀ |       | 82       | Н         | $\dashv$        | $\dashv$                  | 十                 | 1      | 7           |           | 廿              | 1       |             | 132        | Τ        |              |          |              |          |              |                        | 二               | $\Box$    |
| 33   |                                       |          |             |               |          |              |          |                    |   |       | 83       |           |                 | $\exists$                 |                   | $\Box$ | $\Box$      | ].        | $\Box$         |         |             | 133<br>134 |          | Н            |          | H            | Н        | Н            |                        | -+              | -         |
| 34   |                                       |          | ╀           | ╀             | ╀        | <del> </del> | ╀        | $\left  - \right $ | } |       | 84<br>85 | $\vdash$  | $\dashv$        | -                         | +                 | +      | $\dashv$    | +         | +              |         |             | 135        | ╁╌       | H            | _        |              |          |              | H                      | $\exists$       | ゴ         |
| 36   |                                       | $\vdash$ | 1           | 1-            |          | +            |          |                    | Ì |       | 86       |           |                 |                           | 士                 |        |             |           | 口              |         |             | 136        | T        |              |          |              |          |              |                        | $\dashv$        | $\exists$ |
| 37   | _                                     |          | T           | L             | L        | $oxed{oxed}$ |          |                    |   |       | 87       | _         |                 |                           |                   | - -    | -           | $\dashv$  |                |         |             | 137<br>138 |          | -            | -        | -            | -        | -            | _                      | $\dashv$        | $\dashv$  |
| 38   |                                       | - -      | +           | +             | +        | +            | +-       | ${\mathbb H}$      | Ì |       | 88<br>89 | $\vdash$  | $\vdash \vdash$ | $\dashv$                  | $\dashv$          | +      | $\dashv$    | +         |                |         |             | 139        |          |              |          |              |          |              |                        | 口               | コ         |
| 40   | _                                     |          |             | 上             | 士        |              |          | 口                  | Ì |       | 90       |           |                 |                           |                   | $\Box$ | $\exists$   | 二         | $\Box$         |         |             | 140        |          |              |          |              |          | -            | ļ_                     | $\vdash$        | _         |
| 41   |                                       | $\prod$  | $\perp$     | $\perp$       | 1        | 1            | $\perp$  | $\mid \perp \mid$  |   |       | 91       | -         | $\vdash \vdash$ | $\vdash \vdash$           | $\dashv$          | +      | $\dashv$    | +         | $\dashv\dashv$ |         |             | 141        |          | +            | -        | -            | -        | 1            | $\vdash$               | -               | ᅴ         |
| 42 43                                      |                                       | ++       | +           | +             | +        | +-           | +        | H                  |   |       | 93       | +-        | $\vdash$        |                           | $\dashv$          | _      | $\exists$   | 寸         |                |         |             | 143        |          |              |          |              |          |              |                        | 口               | $\Box$    |
| 44   | _                                     |          | 工           |               | 1        |              | 1        | 口                  |   |       | 94       | 1         |                 |                           | $\Box$            | 1      | $\exists$   | 7         |                |         |             | 144        |          | <del> </del> | -        | -            | -        | <del> </del> | $\vdash$               | dash            | $\dashv$  |
| 45<br>46                                   | _                                     | ++       | 4-          | +             | +        | +-           | +        | ╁┤                 |   |       | 95<br>96 | ╀         | $\vdash$        | $\vdash$                  | +                 | -      | -           | $\dashv$  |                | 1       | -           | 145        |          | +            | +-       | $\dagger$    | ╁        | T            | 1                      |                 | $\Box$    |
| 40   | -                                     |          | 1           | 士             | $\pm$    | $\perp$      | 士        |                    |   |       | 97       |           |                 |                           |                   | 士      | コ           | $\exists$ |                |         |             | 147        | 1        |              |          |              |          |              | <u> </u>               |                 |           |
| 48   |                                       | $\Box$   | Ţ           | Ţ             | I        | I            | I        | П                  |   |       | 98       |           | $\vdash$        | П                         | $  \vec{\perp}  $ | 4      | _           | $\dashv$  |                | 1       | 1-          | 148        |          | +-           | $\vdash$ | +            | $\vdash$ | ╁            | +-                     | ╁╌┤             | $\vdash$  |
| 49   | ł                                     | 1 1      | - 1         | 1             | 1        | 1            | 1        | 1 .                |   | L     | 99       | 1         | L_              | 1                         | ட்                |        | _           | _1        |                | 1       | <b></b>     | + • • • •  | 4        |              | -        | -            | +        | +            | +-                     | +               | —         |

Applicant(s)